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AUGUST 25, 2003

WILLIAM A. LOGINOV 88 BLACK FALCON AVE. BOSTON, MA 02210

CESARI AND MCKENNA, LLP

CESARI & MCKENNA Deputy Under Secretary of Commerce For Intellectual Property and Deputy Director of the United States Patent and Trademark Office

Washington, DC 20231

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RECORDATION DATE: 03/26/2003

REEL/FRAME: 013894/0859 NUMBER OF PAGES: 7

ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). BRIEF:

ASSIGNOR:

KLEIMAN, STEVEN R.

DOC DATE: 08/06/2002

ASSIGNOR:

SUNDARAM, RAJESH

DOC DATE: 08/08/2002

ASSIGNOR:

DOUCETTE, DOUGLAS P.

DOC DATE: 03/25/2003

ASSIGNOR:

STRANGE, STEPHEN H.

DOC DATE: 08/07/2002

ASSIGNOR:

VISWANATHAN, SRINIVASAN

DOC DATE: 03/12/2003

ASSIGNEE:

NETWORK APPLIANCE, INC. 495 EAST JAVA DRIVE SUNNYVALE, CALIFORNIA 94089

013894/0859 PAGE 2

SERIAL NUMBER: 10105034

PATENT NUMBER:

FILING DATE: 03/21/2002

ISSUE DATE:

ANTIONE ROYALL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

RECORI)4-01-2003 ———————————————————————————————————
	18 1200 100 010 200 200 200 200 200 200 20
To the Honorable commissioner of Patents ar	
Please record the attached original docume	102405556
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
	party (cos).
Steven R. Kleiman Rajesh Sundaram 3.26-03	Name: Network Appliance, Inc.
Douglas P. Doucette	
Stephen H. Strange	
Srinivasan Viswanathan	Street Address: 495 East Java Drive City: Sunnyvale, State: CA Zip: 94089 Street Address: 495 East Java Drive FINANCE SECTION State: CA Zip: 94089
Additional name(s) of conveying	City: Sunnyvale, FINANCE SECTION State: CA Zip: 94089 State: CA Zip: 94089
party(ies) attached? Yes X No	
	C 2 Pu
3. Nature of conveyance:	State: CA Zip: 94089
X Assignment	m P C
Merger	2 60
Security Agreement	Q w or
Change of Name	SO SS
Other	Additional name(s) & address(es)
	Attached?Yes X No
Execution Date: 08/06/2002; 08/08/2002; 03/25/2003;	
08/07/2002 and $03/12/2003$ respectively	
4. Application number(s) or patent number(s): 1	
property of parent name of (b).	
If this document is being filed together with a new a	pplication, the execution
date of the application is:	
A. Patent Application No.(s): 10/105,034	B. Patent No. (s)
1.1.1 mont 1.pp.10m10m1101(6)1 10/1003051	D. 1 atom 110. (b)
Additional numbers attached	?YesXNo
5. Name and address of party to whom	6. Total number of applications and
correspondence concerning document should be	patents involved:1
mailed:	
	7. Total fee (37 CFR 3.41) \$40.00
Name: William A. Loginov	X Enclosed
Street Address: Cesari and McKenna, LLP	Authorized to be charged to deposit
	Account
88 Black Faldon Avenue	8. Deposit account no. 03-1237 (Attach duplicate
City: Boston State: MA Zip: 02210	copy of this page if paying by deposit account)
3/28/2003 DBYRNE 00000041 10105034 DO NOT US	SE THIS SPACE
1 FC:8021 40.00 GP	
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing informati	on is true and correct and any attached copy is a true
copy of the original document.	
William A. Loginov, Reg. No. 34,863	March 26, 2003
Name of Person Signing Signature	
Signature Signature	Total number of pages comprising cover sheet: 1

ASSIGNMENT

WHEREAS, We, Steven R. Kleiman, Rajesh Sundaram, Douglas P. Doucette, Stephen H. Strange, and Srinivasan Viswanathan, have invented one or more improvements in:

A Method for Writing Contiguous Arrays of Stripes in a RAID Storage System described in an application (or provisional application) for Letters Patent of the United States: identified by Attorney Docket No. NWK-002, and/or executed by us of even date herewith and about to be filed in the United States Patent Office; Serial No. 10/105,034 filed in the United States Patent Office on March 21, 2002; and WHEREAS, Network Appliance, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of CALIFORNIA, and having a usual place of business at 495 East Java Drive, Sunnyvale, California 94089, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application or such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and

Joint Assignment Page 2

we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

,	,	representatives.	•	
IN TESTIMONY W	<i>HEREOF</i> , we ha	ve hereunto set o	our hands and affixed our seals the d	ate set
		Inventor:	Steven R. Kleiman	_
State of California County of)) ss			
Subscribed and swor	n to before me, by	y the above-name	ed Steven R. Kleiman, this 6	day
		Notary Public My Commissi	on Expires:	
,		Inventor:	Rajesh Sundaram	
State of California County of)) ss			
Subscribed and swor		the above-name	d Rajesh Sundaram, this	_ day
		Notary Public My Commission	on Expires:	

Date: 3/25/2003	Inventor: Douglas P. Doucette
State of Washington) County of) ss	
Subscribed and sworn to before me, by of, 2002.	y the above-named Douglas P. Doucette, this day
	Notary Public My Commission Expires:
	Inventor: Stephen H. Strange
State of California) County of) ss	
Subscribed and sworn to before me, by of, 2002.	the above-named Stephen H. Strange, this day
	Notary Public My Commission Expires:
Date: 03/19/2003 /	Inventor: Srinivasan Viswanathan
State of California) County of (State of California) ss	
	the above-named Srinivasan Viswanathair, the
2321031	Notary Public My Commission Expires: 12/9/07/8

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	•
i	ss.
County of JANTA Gara	
On Jugust 6, 2002, before me,	RMela L. Thompso, Notary Public Name and Title of Officer (e.g., Jane Doe, Notary Public) Kleiman
Date STEVEN R	Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared	Name(s) of Signer(s)
	□ personally known to me
	proved to me on the basis of satisfactor evidence
	CVIdence
	to be the person(s) whose name(s) is/ar
•	subscribed to the within instrument and
	acknowledged to me that he/she/they executed the same in his/her/their authorized
	capacity(ies), and that by his /her/thei
PAMELA L. THOMPSON	signature(s) on the instrument the person(s), o
Commission # 1318115 Notary Public - California	the entity upon behalf of which the person(s
Santa Clara County	acted, executed the instrument.
My Comm. Expires Aug 17, 2005	MUTATION of bridge deficiency
	WITNESS my hand and official seal.
•	- Amola Thomason
Place Notary Seal Above	Signature of Notary Public
	OPTIONAL —
	v law, it may prove valuable to persons relying on the document I and reattachment of this form to another document.
Description of Attached Document	
Title or Type of Document:	
The Grape of Boodmone.	•
Document Date:	Number of Pages:
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	1)
Signer's Name:	RIGHT THUMBPRINT
☐ Individual	OF SIGNER Top of thumb here
☐ Corporate Officer — Title(s):	Top or marile field
☐ Partner — ☐ Limited ☐ General	
☐ Attorney in Fact	
Trustee	
☐ Guardian or Conservator ☐ Other:	
Signer Is Representing:	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

	_
State of California	
County of Santa Clara	SS.
On Jugust 7, 2002, before me,	PAMEIA L. THOMPSON Name and Title of Officer (e.g., "Jane Doe, Notary Public") SUN-TAVAM Name(s) of Signer(s)
personally appeared Rajesh S	Surlavan
Ţ	
	personally known to me
	proved to me on the basis of satisfactory evidence
	to be the person(s) whose name(s) is/are
,	subscribed to the within instrument and acknowledged to me that he/she/they executed
	the same in his/her/their authorized
	capacity(ies); and that by his/her/thei
THE STATE OF THE S	signature(s) on the instrument the person(s), o
PAMELA L. THOMPSON Commission # 1318115	the entity upon behalf of which the person(s
Notary Public - California	acted, executed the instrument.
Santa Clara County	
My Comm. Expires Aug 17, 2005	WITNESS my hand and official seal.
	() 1 of the com
	Signature of Nobery Public
Place Notary Seal Above	
	OPTIONAL —
Though the information below is not required b	by law, it may prove valuable to persons relying on the document
and could prevent fraudulent remove	al and reattachment of this form to another document.
Description of Attached Document	·
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Document Date:	Number of Pages:
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	
Capacity(ies) Claimed by Signer Signer's Name:	RIGHT THUMBPRINT
Capacity(ies) Claimed by Signer Signer's Name:	RIGHT THUMBPRINT OF SIGNER Top of thumb here
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Signer's Name: ☐ Individual	Top of thumb here
Signer's Name: ☐ Individual ☐ Corporate Officer — Title(s):	Top of thumb here
Signer's Name: ☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General	Top of thumb here
Signer's Name:	Top of thumb here
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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California)
	ss.
County of Santa Clara	J
On Cucut 7, 2002, before me,	RAME/A L. Thompson, Notary Public Name and Title of Officer (e.g., "Jane Dbe, Notary Public")
personally appeared Stephen H	Name(s) of Signer(s)
	personally known to me proved to me on the basis of satisfactory evidence
PAMELA L. THOMPSON Commission # 1318115 Notary Public - California Santa Clara County My Comm. Expires Aug 17, 2005	to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal.
_	DPTIONAL
	law, it may prove valuable to persons relying on the document and reattachment of this form to another document.
Description of Attached Document	·
Title or Type of Document:	
Document Date:	Number of Pages:
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	
Signer's Name:	RIGHT THUMBPRINT OF SIGNER
□ Individual	Top of thumb here
Corporate Officer — Title(s):	· ·
☐ Partner — ☐ Limited ☐ General	
☐ Attorney in Fact	
☐ Trustee☐ Guardian or Conservator	
☐ Other:	
Signer Is Representing:	

DECLARATION AND POWER Automet Docker No. NWK-002												
OF ATTORNEY F	OR UTILITY	First Na	med Inventor	Klein	nan							
OR DES	IGN		COMPLETE IF KNOWN									
PATENT APPI	LICATION	Applicat	tion Serial Number	Not Y	Yet Assigned							
☐ Declaration ☒ D	eclaration	Filing D	Pate	Marc	rch 21, 2002							
Submitted with Sub	mitted after Initial	Group A	Art Unit	Not Y	Yet Assigned							
Initial Filing Fili	ng (surcharge	Examine	er Name	Not Y	Yet Assigned							
37 (CFR 1.16(e) required)											
A b-law named inventor	As a below named inventor, I hereby declare that:											
	·	stated halo	w novt to my nome				İ					
My residence, mailing address						:-:						
I believe I am the original, first names are listed below) of the	st and sole inventor (if o subject matter which is	nly one nat	me is listed below) or and for which a patent	r an orig	tht on the inven	tion entitled:	-					
A Method for Writing Contiguous Arrays of Stripes in a RAID Storage System												
		(Title o	f the Invention)									
the specification of which			,									
is attached hereto OR												
was filed on (MM/DD/YYYY)	March 21, 200	2 a	s United States Appli	ication :	Serial Number	or PCT International						
Application Number	and	was amend	led on (MM/DD/YYYY	Y)		(if applicable).						
I hereby state that I have revie any amendment specifically re	ewed and understand the eferred to above.	contents o	of the above-identified	d applic	cation, includin	g the claims, as amende	d by					
I acknowledge the duty to disc 1.56, including for continuation of the prior application and the	on-in-part applications,	material inf	formation known by r	me whic	ch became avai	lable between the filing	CFR date					
I hereby claim foreign priority	benefits under 35 U.S.	C. 119(a)-((d) or (f), or 365(b) of	f any for	reign application	on(s) for patent, or inver	ntor's					
certificate(s), or 365(a) of any America, listed below and have	PCT international appli e also identified below.	ication whi by checkir	ich designated at least	t one co m appli	cation for pater	nt, or inventor's						
certificate(s), or of any PCT in	ternational application	having a fi	ling date before that of	of the ap	pplication on w	which priority is claimed	1.					
Prior Foreign Application Number(s)	Country		Foreign Filing Dat (MM/DD/YYYY)	te) N	Priority Not Claimed	YES NO	:neu?					
	Number(s) Country (MINDD/1111) Not Claimed 125 No											
Additional foreign a	application numbers are	listed on a	supplemental priority	y data sl	heet attached h	ereto.						
I hereby claim the benefit und		ny United	States provisional app	plicatio	on(s) listed belo	w						
Application Serial Number(s) Filing Date (MM/DD/YYYY) Additional provisional application serial numbers are listed on a supplemental priority data sheet attached hereto.												

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002 Page 2 of 3

DECLAF	<u>RATION – U</u>	Itility (or Design Paten	t Apj	plication	
I hereby claim the benefit under 35 L United States of America, listed belo States or PCT International application which is material to patentability as of PCT international filing date of this a	J.S.C. 120 of any United Sow and, insofar as the subjeton in the manner provided defined in 37 CFR 1.56 whapplication.	States applicatect matter of ellipse for the first phich became a	tion(s), or 365(c), of any PCT in each of the claims of this applica paragraph of 35 U.S.C. 112, I ack available between the filing date	nternational ation is not knowledge of the prio	l application designating the t disclosed in the prior United the duty to disclose information or application and the national	ion
U.S. Parent Application of	or PCT Parent		Parent Filing Date	!	Parent Patent Number	_
Serial Numb	er	<u> </u>	(MM/DD/YYYY)		(if applicable)	
Additional U.S. or PCT internation	onal application numbers	are listed on a	a supplemental priority data shee	et attached	hereto.	
As a named inventor, I hereby appoint and Trademark Office connected there	rewith: Customer No	lumber	to prosecute this application and	\rightarrow	Place Customer Number Bar Code Label Here	
·	Registration	<u> </u>			Registration	
Name	Number		Name		Number	
Michael J. Bastian Steven M. Bauer Elias C. Behrakis Mark L. Beloborodov John V. Bianco Robert S. Blasi Maureen A. Bresnahan Michael H. Brodowski Jennifer A. Carnacho Joseph A. Capraro, Jr. Christopher H. Chung John J. Cotter Robert V. Donahoe Brian A. Fairchild John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Duncan A. Greenhalgh Ira V. Heffan Danielle L. Herritt Douglas J. Kline	47,411 31,481 47,416 50,773 36,748 50,389 44,559 41,640 43,526 36,471 50,351 38,116 46,667 48,645 42,545 33,497 47,577 44,691 38,678 41,059 43,670 35,574		John D. Lanza Kurt W. Lockwood Leigh J. Martinson Thomas C. Meyers Joseph B. Milstein David G. Miranda Ronda P. Moore Jeremy Oczek Edmund R. Pitcher Jamie H. Rose David L. Schuler Christopher W. Stamos Diana M. Steel Joseph P. Sullivan Robert J. Tosti Thomas A. Turano Christine C. Vito Patrick R.H. Waller Daniel A. Wilson Gerald E. Worth Yin P. Zhang	44 50 22 44 51 32 43 43 44 45 44 45 45 46 46 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	0,060 0,704 0,749 6,989 2,897 2,898 4,244 0,794 7,829 5,054 1,190 5,370 3,153 5,349 5,393 5,722 9,061 1,418 5,508 5,238 4,372	
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.						
Direct all correspondence to:	Patent Administr Testa, Hurwitz & High Street Towe 125 High Street Boston, MA 021 Tel. No.: (617) 24 Fax No.: (617) 24	& Thibeault, ver 110 248-7000	LLP			

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002
Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First In	ventor:	entor: A petition has been filed for this unsigned inventor										
Given Name	e (first a	nd middle [if a	ny])					Family	/ Name	e or Sur	name	
Steven R.					Kle	eiman						
Inventor's Signature	1	t	RK	l'		-			Date			
Residence	City	Los Altos	State	Califor	nia	Coun	ry U.S	.A.		Citize	nship	U.S.A.
Mailing Address	_	<u> </u>	<u></u>				•				-	
Mailing Address (ln. 2)	City	Los Altos	State	Califor	rnia	ZIP			Cour	itry		U.S.A.
Additional inventors a	re bein	g named on the	SI	pplemen	tal Ad	dition	al Invento	or(s) she	et(s) at	tached l	hereto.	
Name of Additional Join	t Inven	tor, if any:				A petit	ion has b	een filed	for th	is unsig	ned in	ventor
Given Nam	e (first	and middle [if	any])					Famil	y Nan	e or Su	rname	
Rajesh					s	undar	am					
Inventor's Signature									Date			
Residence	City	Mountain V	'iew	State	Califo	ornia	Country	ountry U.S.A.		Citize	tizenship India	
Mailing Address	2703 I	Doverton Squ	re			•	L.,,	,,,- 				
Mailing Address (ln. 2)	City	Mountain V	'iew	State	Califo	ornia	ZIP	9404	0	Count	ту	U.S.A.
Name of Additional Join	t Invent	or, if any:				Apo	etition ha	s been fi	led for	this un	signed	inventor
Given Name	e (first a	nd middle [if a	ny])					Family	/ Name	or Sur	name	
Douglas P.					Do	ucette						
Inventor's Signature		·		•					Date			
Residence	City	Freeland	State	Washin	gton	Cor	ıntry	U.S.A		Citize	nship	U.S.A.
Mailing Address	1864 5	Scenic Avenue										
Mailing Address (ln. 2)	City	Freeland	State	Washii	ngton	Z	ZIP	98249		Count	ry	U.S.A.

ROSEJH\9034\6.2320991_1

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DECLARAT	ION AND POW	ER Attor	ney Docket No.	NWK-002								
OF ATTORN	EY FOR UTIL	ITY First	Named Inventor	Kleiman								
OR	DESIGN		COMPLETE IF KNOWN									
PATENT.	APPLICATION	Appl	ication Serial Number	Not Yet Assigned	Yet Assigned							
☐ Declaration	□ Declaration	Filing	g Date	March 21, 2002								
Submitted with	Submitted after In	itial Grou	p Art Unit									
Initial Filing	Filing (surcharge	Exan	niner Name	Not Yet Assigned	and the second and the second and the second							
	37 CFR 1.16(e) re	quired)										
As a below named inventor, I hereby declare that:												
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My residence, mailing	·	•	·									
			name is listed below) or I and for which a patent		d joint inventor (if plural ention entitled:							
A	Method for Writin	ng Contiguous	Arrays of Stripes in	n a RAID Storag	e System							
		(Title	e of the Invention)									
the specification of wh												
is attached he												
was filed on (MM/DD/YYYY)		21, 2002	as United States Appli	cation Serial Numbe	r or PCT International							
Application Number		and was ame	ended on (MM/DD/YYYY	()	(if applicable).							
I hereby state that I hav any amendment specifi			s of the above-identified	l application, includi	ng the claims, as amended by							
1.56, including for con-	tinuation-in-part appli	cations, material		ne which became ava	ntability as defined in 37 CFR ailable between the filing date tion.							
I hereby claim foreign	priority benefits under	· 35 U.S.C. 119(a)-(d) or (f), or 365(b) of	any foreign applicat	ion(s) for patent, or inventor's							
America, listed below a	and have also identifie	d below, by chec	king the box, any foreig	n application for pat								
certificate(s), or of any Prior Foreign Applica		olication having a	Foreign Filing Dat		which priority is claimed. Certified Copy Attached?							
Number(s)		ountry	(MM/DD/YYYY)	Not Claimed	YES NO							
			a supplemental priority									
I hereby claim the bene				olication(s) listed bel	ow.							
Application Ser	iai inumber(s)	ruing D	ate (MM/DD/YYYY)	serial no supplen	nal provisional application umbers are listed on a nental priority data sheet I hereto.							

Declaration and Power of Atto. y for Utility or Design Patent Application Attv. Docket No. NWK-002

Page 2 of 3

DECLARATION – Utility or Design Patent Application I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. U.S. Parent Application or PCT Parent Parent Filing Date Parent Patent Number (if applicable) Serial Number (MM/DD/YYYY) Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto. As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number Place Customer Number Bar Code Label Here Registered practitioner(s) name/registration number listed below Registration Registration Number Number Name Name Michael J. Bastian 47,411 John D. Lanza 40,060 Steven M. Bauer 31,481 Kurt W. Lockwood 40,704 Elias C. Behrakis 47,416 Leigh J. Martinson 50,749 Mark L. Beloborodov 50,773 36,989 Thomas C. Meyers John V. Bianco 36,748 Joseph B. Milstein 42,897 50,389 David G. Miranda Robert S. Blasi 42,898 Maureen A. Bresnahan 44,559 Ronda P. Moore 44,244 Jeremy Oczek 50,794 Michael H. Brodowski 41,640 43,526 Edmund R. Pitcher Jennifer A. Camacho 27,829 Jamie H. Rose Joseph A. Capraro, Jr. 36,471 45,054 Christopher H. Chung 50,351 David L. Schuler 51,190 John J. Cotter 38,116 Christopher W. Stamos 35,370 Robert V. Donahoe 46,667 Diana M. Steel 43,153 Joseph P. Sullivan Brian A. Fairchild 48,645 45,349 John V. Forcier 42,545 Robert J. Tosti 35,393 Steven J. Frank 33,497 Thomas A. Turano 35,722 Kia L. Freeman 47,577 Christine C. Vito 39,061 Brian M. Gaff 44,691 Patrick R.H. Waller 41,418 Duncan A. Greenhalgh Daniel A. Wilson 45,508 38,678 Ira V. Heffan 41,059 Gerald E. Worth 45,238 Danielle L. Herritt Yin P. Zhang 44,372 43,670 Douglas J. Kline 35,574 Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto. Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Fax No.: (617) 248-7100

Declaration and Power of Atto...y for Utility or Design Patent Application Atty. Docket No. NWK-002 Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First In	ventor:	ventor:								r			
Given Nam	ame (first and middle [if any])								Family	y Name	e or Su	ırname	
Steven R.					K	leima	an						
Inventor's Signature	Date												
Residence	City	Los Altos	State	Califor	nia	Cor	untry	U.S.A. Citizenship			enship	U.S.A.	
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Mailing Address (ln. 2)	City	Los Altos	State	Califo	rnia	ZIP	·			Cour	ntry		U.S.A.
Additional inventors a	are being	named on the	รเ	upplemer	ntal A	dditio	onal In	vento	or(s) she	et(s) at	tached	hereto	
Name of Additional Join	t Invent	or, if any:				A pe	etition	has b	een filed	for th	is unsi	igned in	ventor
Given Nam	ne (first	and middle [if a	my])						Famil	y Nan	e or S	urname	
Rajesh					!	Sund	laram						
Inventor's Signature										Date			
Residence	City	Mountain V	iew	State	Calif	forni	a Co	Country U.S.A.			Citiz	enship	India
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Mailing Address (In. 2)	City	Mountain V	iew	State	Cali	forni	a ZI	P	9404	0	Cour	ıtry	U.S.A.
Name of Additional Join	t Invent	or, if any:] A	petitio	on has	been fil	led for	this u	nsigned	inventor
	e (first a	nd middle [if ar	ny])						Family	Name	or Su	rname	
Douglas P.					Do	oucet	te						
Inventor's Signature	Date												
Residence	City	Freeland	State	Washin	gton	C	Country	у	U.S.A		Citiz	enship	U.S.A.
Mailing Address	1864 5	cenic Avenue				1			•				
Mailing Address (ln. 2)	City	Freeland	State	Washi	ngton	1	ZIP		98249		Coun	itry	U.S.A.

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Supplemental Sheet of Declara.... and Power of Attorney for Utility or Design L...ent Application Atty. Docket No. NWK-002

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>

												
Name of Additional Join	Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor										nventor	
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Stephen H.												
Inventor's Signature		Date										
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Mailing Address (ln. 2)	City	Mountain	View	State	Calif	fornia	ZIP		94040	(Country	U.S.A.
Name of Additional Join	t Inven	tor, if any:			Ε	A per	tition	has bee	n filed	for th	is unsigne	d inventor
Given Name	e (first a	nd middle [if ar	ıy])					Far	mily N	ame o	r Surname	
Srinivasan					Vi	swanatl	han					
Inventor's Signature	1	V. fro						D	ate	0	8/15/2002	
Residence	City	City Fremont State Californ					у	U.S.A			Citizenship	India
Mailing Address			*									
Mailing Address (ln. 2)	City	Fremont	State	Californ	nia	ZIP				Cour	ntry	U.S.A.

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Express Mail Label No.: EL9343754COUS

DECLARATION AND POWER	Attorney Docket No.	NWK-002				
OF ATTORNEY FOR UTILITY	First Named Inventor	Kleiman				
OR DESIGN	C	OMPLETE IF KNOWN				
PATENT APPLICATION	Application Serial Number	Not Yet Assigned				
☐ Declaration ☑ Declaration	Filing Date	March 21, 2002				
Submitted with Submitted after Initial	Group Art Unit	Not Yet Assigned				
Initial Filing Filing (surcharge 37 CFR 1.16(e) required)	Examiner Name	Not Yet Assigned				

-										
As a below named inventor, I hereby declare that:										
My residence, mailing address,	My residence, mailing address, and citizenship are as stated below next to my name.									
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:										
A Method for Writing Contiguous Arrays of Stripes in a RAID Storage System										
(Title of the Invention)										
the specification of which										
is attached hereto OR										
was filed on (MM/DD/YYYY)	March 2	21, 2002	as United States Application	on Serial Number	or PCT International					
Application Number		and was ame	nded on (MM/DD/YYYY)		(if applicable).					
I hereby state that I have review any amendment specifically refe	ed and underst rred to above.	and the contents	of the above-identified app	olication, includin	g the claims, as amended by					
I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.										
I hereby claim foreign priority b certificate(s), or 365(a) of any P America, listed below and have certificate(s), or of any PCT inte	CT internation also identified	al application w below, by check	hich designated at least one king the box, any foreign ap	country other that plication for pate	an the United States of nt, or inventor's					
Prior Foreign Application		•	Foreign Filing Date	Priority	Certified Copy Attached?					
Number(s)	Con	intry	(MM/DD/YYYY)	Not Claimed	YES NO					
			a supplemental priority data							
I hereby claim the benefit under				tion(s) listed belo	ow.					
Application Serial Numb	per(s)	Filing Da	ate (MM/DD/YYYY)	serial nu	nal provisional application mbers are listed on a ental priority data sheet hereto.					

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002

Page 2 of 3

DECLARATION – Utility or Design Patent Application										
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U.S. Parent Application or PCT Parent Parent Filing Date Parent Patent Number Serial Number (MM/DD/YYYY) (if applicable)										
Additional U.S. or PCT internation	onal application numbers a	are listed on a	supplemental priority data sheet	attached hereto.						
As a named inventor, I hereby appoin and Trademark Office connected ther	ewith: Customer No	umber	o prosecute this application and o prosecute this application and o prosecute this application and	Place Customer Number Bar Code Label Here						
			,							
Name	Registration Number	n .	Name	Registration Number						
Michael J. Bastian Steven M. Bauer Elias C. Behrakis Mark L. Beloborodov John V. Bianco Robert S. Blasi Maureen A. Bresnahan Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Christopher H. Chung John J. Cotter Robert V. Donahoe Brian A. Fairchild John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Duncan A. Greenhalgh Ira V. Heffan Danielle L. Herritt Douglas J. Kline	47,411 31,481 47,416 50,773 36,748 50,389 44,559 41,640 43,526 36,471 50,351 38,116 46,667 48,645 42,545 33,497 47,577 44,691 38,678 41,059 43,670 35,574		John D. Lanza Kurt W. Lockwood Leigh J. Martinson Thomas C. Meyers Joseph B. Milstein David G, Miranda Ronda P. Moore Jeremy Oczek Edmund R. Pitcher Jamie H. Rose David L. Schuler Christopher W. Stamos Diana M. Steel Joseph P. Sullivan Robert J. Tosti Thomas A. Turano Christine C. Vito Patrick R.H. Waller Daniel A. Wilson Gerald E. Worth Yin P. Zhang	40,060 40,704 50,749 36,989 42,897 42,898 44,244 50,794 27,829 45,054 51,190 35,370 43,153 45,349 35,393 35,722 39,061 41,418 45,508 45,238 44,372						
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.										
Direct all correspondence to:	Patent Administr Testa, Hurwitz & High Street Tow 125 High Street Boston, MA 021 Tel. No.: (617) 2 Fax No.: (617) 2	t Thibeault, er 110 48-7000	LLP							

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002
Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First In	ventor: A petition has been filed for this unsigned inventor									r			
Given Nam	e (first a	and middle [if ar	ny])			Family Name or Surname							
Steven R.					к	Kleimar	l						
Inventor's Signature						Date			•				
Residence	City	Los Altos	State	Califor	rnia	Cour	itry [J.S.A.		Citizen		U.S.A.	
Mailing Address		<u> </u>	<u> </u>	1		J		 <u>-</u> -		<u> </u>		1	
Mailing Address (ln. 2)	City	Los Altos	State	Califo	rnia	ZIP	T	Country				U.S.A.	
Additional inventors a	are being	g named on the	SI	upplemer	ntal A	dditior	al Inve	ntor(s) she	et(s) a	ttached h	nereto.	•	
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor													
Given Nam	me (first and middle [if any]) Family Name or Surname												
Rajesh	Sundaram												
Inventor's Signature									Date				
Residence	City	Mountain Vi	ew	State	Calif	fornia	Coun	try U.S	S.A.	Citizen	ship	India	
Mailing Address	2703 D	Ooverton Squar	·e			**	1					_ 	
Mailing Address (In. 2)	City	Mountain Vi	ew	State	Calif	fornia	ZIP	9404	10	Country	у	U.S.A.	
Name of Additional Joint	t Invento	or, if any:					etition h	nas been fi	led for	this unsi	igned	inventor	
	(first an	nd middle [if an	y])					Family	/ Name	or Surn	ame		
Douglas P.					Do	ucette							
Inventor's Signature	2	DP. 6	2	-	<u></u>				Date		6/-	27/02	
Residence	City	Freeland	State	Washin	gton	Cor	intry	U.S.A		Citizens	ship	U.S.A.	
Mailing Address	1864 Sc	cenic Avenue											
Mailing Address (In. 2)	City 1	Freeland	State	Washin	igton	Z	ZIP	98249		Country	y	U.S.A.	

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DECLARATION AND POWER		ER Attorn	ey Docket No.	NWK-002	'K-002					
OF ATTORNEY F	OF ATTORNEY FOR UTILITY		Vamed Inventor	Kleiman	man					
OR DESI	GN		COMPLETE IF KNOWN							
PATENT APPL	ICATION	Applic	cation Serial Number	Not Yet Assigned	t Yet Assigned					
☐ Declaration ☐ De	claration	Filing	Date	March 21, 2002	arch 21, 2002					
Submitted with Subr	mitted after Initi	al Group	Art Unit	Not Yet Assigned						
Initial Filing Filin	g (surcharge	Exami	ner Name	Not Yet Assigned						
37 C	FR 1.16(e) requ	nired)	•							
As a below named inventor, I	•									
My residence, mailing address,			<u>-</u>							
I believe I am the original, first names are listed below) of the										
A Metho	d for Writing	Contiguous	Arrays of Stripes in	a RAID Storage	System					
		(Title	of the Invention)							
the specification of which										
is attached hereto OR										
was filed on (MM/DD/YYYY)	March 2	21, 2002	as United States Applic	eation Serial Number	or PCT International					
Application Number		and was amer	nded on (MM/DD/YYYY)	(if applicable).					
I hereby state that I have review any amendment specifically ref		and the contents	of the above-identified	application, including	ng the claims, as amended by your way to work					
I acknowledge the duty to discl 1.56, including for continuation of the prior application and the	n-in-part applica	ations, material i	nformation known by n	ne which became ava	ilable between the filing date					
I hereby claim foreign priority										
certificate(s), or 365(a) of any l America, listed below and have	also identified	below, by check	ring the box, any foreign	application for pate	ent, or inventor's					
certificate(s), or of any PCT int	ternational appli	cation having a			which priority is claimed.					
Prior Foreign Application Number(s)	Cou	ıntry	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO					
			a supplemental priority							
I hereby claim the benefit unde Application Serial Num			d States provisional app ate (MM/DD/YYYY)	lication(s) listed bel	ow.					
rsppheadon Serial Null	arva (u)	, ming De		serial nu	nal provisional application ambers are listed on a mental priority data sheet I hereto.					

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002

Page 2 of 3

DECLARATION – Utility or Design Patent Application										
I hereby claim the benefit under 35 U United States of America, listed below States or PCT International application which is material to patentability as d PCT international filing date of this a	w and, insofar as the subje on in the manner provided defined in 37 CFR 1.56 wh application.	ect matter of e by the first pa nich became a	each of the claims of this a aragraph of 35 U.S.C. 112 available between the filing	pplication is n , I acknowled	not disclosed in the prior United lge the duty to disclose information prior application and the national or					
U.S. Parent Application or PCT Parent Parent Filing Date Parent Patent Number (MM/DD/YYYY) (if applicable)										
Additional U.S. or PCT internation	onal application numbers a	are listed on a	supplemental priority dat	a sheet attach	ed hereto.					
As a named inventor, I hereby appoin and Trademark Office connected there	rewith: Customer No	to prosecute this application	\rightarrow	Place Customer Number Bar Code Label Here						
		<u></u>	, <u>U</u>							
Name	Registration Number	a ,	Name		Registration Number					
			John D. Lanza							
Michael J. Bastian Steven M. Bauer Elias C. Behrakis Mark L. Beloborodov John V. Bianco Robert S. Blasi Maureen A. Bresnahan Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Christopher H. Chung John J. Cotter Robert V. Donahoe Brian A. Fairchild John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Duncan A. Greenhalgh Ira V. Heffan Danielle L. Herritt Douglas J. Kline	47,411 31,481 47,416 50,773 36,748 50,389 44,559 41,640 43,526 36,471 50,351 38,116 46,667 48,645 42,545 33,497 47,577 44,691 38,678 41,059 43,670 35,574		John D. Lanza Kurt W. Lockwood Leigh J. Martinson Thomas C. Meyers Joseph B. Milstein David G. Miranda Ronda P. Moore Jeremy Oczek Edmund R. Pitcher Jamie H. Rose David L. Schuler Christopher W. Stamo Diana M. Steel Joseph P. Sullivan Robert J. Tosti Thomas A. Turano Christine C. Vito Patrick R.H. Waller Daniel A. Wilson Gerald E. Worth Yin P. Zhang)S	40,060 40,704 50,749 36,989 42,897 42,898 44,244 50,794 27,829 45,054 51,190 35,370 43,153 45,349 35,393 35,722 39,061 41,418 45,508 45,238 44,372					
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.										
Direct all correspondence to:	Patent Administr Testa, Hurwitz & High Street Towe 125 High Street Boston, MA 021 Tel. No.: (617) 24 Fax No.: (617) 24	t Thibeault, er 110 48-7000	LLP	~						

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002
Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inv	ventor:				A peti	tion l	nas bee	n file	d for th	is uns	igned	inventor	r
Given Name	e (first a	and middle [if a	ny])						Family	/ Name	e or St	urname	
Steven R.	_			-	Kl	leimar	n						
Inventor's Signature										Date			
Residence	City	Los Altos	State	Californ	nia	Cour	ntry	U.S.A	Ā.		Citiz	zenship	U.S.A.
Mailing Address	· ·		<u></u>										
Mailing Address (ln. 2)	City	Los Altos	State	Californ	nia	ZIP	$\overline{\cdot}$			Coun	ıtry		U.S.A.
Additional inventors a	are bein	g named on the	SI	upplement	tal Ad	lditio	nal Inv	/entor/	(s) shee	et(s) at	tachec	l hereto.	
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor													
Given Nam	ie (first	and middle [if a	iny])		\Box				Famil	y Nam	e or S	Surname	
Rajesh	Sundaram												
Inventor's Signature	R	aj es h	-5				*			Date		8/	12/2002
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Name of Additional Joint	t Invent	or, if any:] A [petition	ı has t	been fil	ed for	this u	nsigned	inventor
	e (first a	nd middle [if ar	1y])			_			Family	Name	or Su	ırname	
Douglas P.					Do	ucette	e						
Inventor's Signature					1					Date			
Residence	City	Freeland	State	Washing	gton	Cc	ountry	\Box	U.S.A.	.	Citiz	enship	U.S.A.
Mailing Address	1864 S	Scenic Avenue											
Mailing Address (ln. 2)	City	Freeland	State	Washing	gton	T	ZIP	9	98249		Coun	itry	U.S.A.

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Supplemental Sheet of Declaration and Power of Attorney for Utility or Design Fatent Application Atty. Docket No. NWK-002

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additional Join	t Inventor, if any: A petition has been filed for this unsigned inventor												
Given Nan	ne (first and middle [if any]) Family Name or Surname												
Stephen H.						Strange							
Inventor's Signature	Stopper H. St.					Date 8/12/02							
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Mailing Address (ln. 2)	City	Mountain	View	State	Calif	ornia	ZIP	!	94040	Cou	intry	U.S.A.	
Name of Additional Join	of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor										inventor		
Given Name	e (first ar	nd middle [if an	y])					Fan	nily Na	ame or S	urname		
Srinivasan			: ه افر	spec ^a es e	Vis	swanath	an						
Inventor's Signature			Date										
Residence	City	Fremont	State	State California Country U.S.A.				. Citizenshi		zenship	India		
Mailing Address	1		ţ		1		` .				† - 1 · · ·		
Mailing Address (ln. 2)	City	Fremont	State	Califor	nia	ZIP				Country	/	U.S.A.	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: Steven R. Kleiman et al.)	,
Serial No.: 10/105,034)	Examiner: Not yet assigned
Filed: March 21, 2002)	Art Unit: 2818
For: A METHOD FOR WRITING)	
CONTIGUOUS ARRAYS OF)	
STRIPES IN A RAID STOR-)	
AGE SYSTEM)	
		Cesari and McKenna, LLP
		88 Black Falcon Avenue
		Boston, MA 02210

REVOCATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Network Appliance, Inc., assignee by instrument, a copy of which is attached hereto, of United States Patent Application Serial No. 10/105,034, filed March 21, 2002, for A METHOD FOR WRITING CONTIGUOUS ARRAYS OF STRIPES IN A RAID STOR-AGE SYSTEM, hereby appoints Michael E. Attaya, Reg. No. 31,731; Michael J. Badzinski, Reg. No. 51,425; Charles J. Barbas, Reg. No. 32,959; James M. Behmke, Reg. No. 51,448; James A. Blanchette, Reg. No. 51,477; Joseph H. Born, Reg. No. 28,283; John L. Capone, Reg. No. 41,656; Robert A. Cesari, Reg. No. 18,381; Duane H. Dreger, Reg. No. 48,836; A. Sidney Johnston, Reg. No. 29,548; Stephen E. Kabakoff, Reg. No. 51,276; William A. Loginov, Reg. No. 34,863; John F. McKenna, Reg. No. 20,912; Martin J. O'Donnell, Reg. No. 24,204; Thomas C. O'Konski, Reg. No. 26,320; Edwin H. Paul, Reg. No. 31,405; Michael R. Reinemann, Reg. No. 38,280; Robert E. Rigby, Jr., Reg. No. 36,904; Rita M. Rooney, Reg. No. 30,585; and Patricia A. Sheehan, Reg. No. 32,301, Cesari and McKenna, LLP, 88 Black Falcon Avenue, Boston, MA 02210, and Gary E. Ross, Reg. No. 29,431, Network Appliance, Inc., 495 East Java Drive, Sunnyvale, CA 94089, jointly, and each of them severally, my attorneys and attorney, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith; and I hereby revoke all prior Powers of Attorney.

Please direct all telephone calls to Charles J. Barbas at (617) 951-2500. Please address all correspondence to Charles J. Barbas.

NETWORK APPLIANCE, INC.

Date:

Andrew Kryder

Vice President Tax and Legal

General Counsel